

Amendments to the Specification:

Please replace paragraph [0051] with the following rewritten paragraph:

[0051] The material for the casing 12 forming the plasma reactor 11 according to one embodiment of the invention is not particularly limited. For example, it is preferable that the material for the ~~easing 10~~ casing 12 be ferritic stainless steel having excellent conductivity, being lightweight and inexpensive, and showing only a small amount of deformation due to thermal expansion.